

BMS Blivet - Sewage Treatment Plants

Volumes for excavation, concrete pad and backfill

For relatively dry areas with units buried to top (cover above grade)
with levelling pad of concrete 6" thick

Unit	Length (ft)	Width (ft)	Excavation (yd ³)	Concrete Slab (yd ³)	Backfill (yd ³)	
					Select	Common
BL500	16.0833'	7.4167'	178	3.3	33	145
BL1000	17.6667'	7.4167'	186	3.6	35	151
BL1500	21.0000'	7.4167'	205	4.2	38	167
BL2000	24.6667'	7.4167'	226	4.9	43	183
BL3000	30.5000'	7.4167'	259	6.0	50	209
BL3500	33.0833'	7.4167'	274	6.5	53	221
BL4000	35.7500'	7.4167'	290	6.9	56	234

For areas with high ground water and possibility of floatation of unit should it
ever be pumped dry. Units buried to top (cover above grade) with anti-floatation
levelling pad of reinforced concrete 24" thick complete with hold-down devices

Unit	Length (ft)	Width (ft)	Excavation (yd ³)	Concrete Slab (yd ³)	Backfill (yd ³)	
					Select	Common
BL500	16.0833'	7.4167'	246	13.2	33	213
BL1000	17.6667'	7.4167'	257	14.4	35	222
BL1500	21.0000'	7.4167'	281	16.8	38	243
BL2000	24.6667'	7.4167'	308	19.5	43	265
BL3000	30.5000'	7.4167'	350	23.8	50	300
BL3500	33.0833'	7.4167'	369	25.6	53	316
BL4000	35.7500'	7.4167'	389	27.6	56	333

Notes:

1. Angle of repose 1:1; allow 2ft. working space each side of unit at bottom
2. Concrete pad to extend 1ft. beyond sides and end of unit; concrete amount allows for 5% wastage
3. Select backfill to be sand or pea gravel stone next to unit for 2ft. all around
4. Common backfill to be of excavated material and compacted
5. All units 7'-5" (7.4167 ft.) wide and 7'-5" high (not including covers)